

24. (NEW) The broadcast video image recording apparatus according to claim 1, wherein said control unit reads said indicated video image data which has been stored in said first storage unit among said indicated all video image data and writes said read video image data in said second storage altogether.

### **REMARKS**

#### **INTRODUCTION:**

In accordance with the foregoing, claims 1 and 12 have been amended. Claims 17-21 have been canceled without prejudice or disclaimer. Claims 22-24 have been added. Claims 1, 3, 5-12 and 14-16 and 22-24 are pending and under consideration.

#### **REJECTION UNDER 35 U.S.C. §102:**

Claim 21 was rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent 4,982,390 to Tanaka. Independent claim 21 recites "a first storage unit storing...data at a predetermined rate" and "a second storage unit storing...data...at the predetermined rate." Thus, the first and second storage units store data at the same rate. In contrast, Tanaka does not disclose the first and second storage units storing data at the same rate. Instead, Tanaka discloses recording data to temporary memory 4 at a first rate, and then reading out the recorded data to a main recorder at a different rate. Tanaka, col. 5, lines 17-21.

Accordingly, withdrawal of the rejection of claim 21 is requested.

#### **REJECTIONS UNDER 35 U.S.C. §103:**

*Claims 1, 5, 10-12 and 14-16 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent 6,301,427 to Kazo and Tanaka.* Independent claim 1 recites "a first storage unit storing said received broadcast video image data . . . , a second storage unit storing an indicated video image data in said stored received broadcast image data of said first storage unit, a storage table to store a write time and a write address of the broadcast video

image data in the first storage unit according to the control unit."

In contrast, Kazo discloses memories 13 and 14 storing completely different information. Memory 13 stores recording hysteresis information, and memory 14 stores still picture information. Specifically, Kazo discloses a VTR recording/reproducing system, memory 14 for storing still picture data of each VTR, and memory 13 for storing recording hysteresis information such as VTR tape number, recorded start time, recorded end time and title of each VTR. Kazo, col. 5, line 30 to col. 6, line 49. The still picture data is recorded at an interval set by a user using the remote interfacing 16. The user views the still picture data in the memory 14 and selects the desired recorded program from among numerous recorded programs in the VTR.

Thus, in Kazo, memory 14 stores recorded still picture data, and memory 13 stores management information. The user selects the recorded program from the still picture in memory 14, and this information is reproduced using management information in memory 13.

Therefore, it is respectfully submitted that the first storage unit of the present invention does not correspond to memory 14 in Kazo, and the second storage unit of the present invention does not correspond to memory 13 in Kazo.

Tanaka does not overcome these deficiencies in Kazo, and is not relied upon for this purpose. Accordingly, withdrawal of the rejections of claim 1, and claims 3 and 5-11 depending therefrom, is requested.

Independent claim 12 recites "a first random-access storage unit storing received broadcast video image data . . . , a second storage unit storing an indicated video image data in said stored received broadcast image data of said first random-access storage unit, a storage table to store a write time and a write address of the broadcast video image data in the first random-access storage unit, according to the control unit."

Accordingly, claim 12 and claims 14-16 depending therefrom are patentable over Kazo and Tanaka.

*Claim 3 was rejected under 35 U.S.C. §103(a) as being unpatentable over Kazo in view of Tanaka and further in view of Browne.*

Claim 3 depends from claim 1, and is therefore patentable over Kazo and Tanaka. Browne does not overcome the above deficiencies in Kazo and Tanaka, and is not relied upon for this purpose. Accordingly, withdrawal of the rejection of claim 3 is requested.

*Claims 6 and 17 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kazo in view of Tanaka and further in view of Yuen et al ('409).*

Claim 6 depends from claim 1, and is therefore patentable over Kazo and Tanaka. Yuen et al. ('409) does not overcome the above deficiencies in Kazo and Tanaka, and is not relied upon for this purpose. Accordingly, withdrawal of the rejection of claim 6 is requested.

*Claims 7-9 and 18-20 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kazo in view of Tanaka and Yuen ('409) and further in view of Yuen '079.*

Claims 7-9 depend from claim 1, and are therefore patentable over Kazo, Tanaka, and Yuen et al. '409. Yuen '079 does not overcome the above deficiencies in Kazo, Tanaka, and Yuen '079, and is not relied upon for this purpose. Accordingly, withdrawal of the rejections of claims 7-9 is requested.

**NEW CLAIMS:**

New claims 22-24 depend from claim 1, and therefore are patentable over the cited references.

**CONCLUSION:**

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

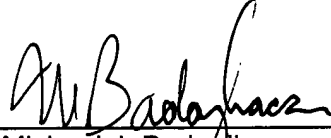
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

Please **AMEND** claims 1 and 12 as follows:

1. (FOUR TIMES AMENDED) A broadcast video image recording apparatus to record broadcast video image data, comprising:
  - a receiver receiving broadcast video image data for viewing;
  - a first storage unit storing said received broadcast video image data according to a FIFO sequence;
  - a second storage unit storing an indicated video image data in said stored received broadcast image data of said first storage unit;
  - indicating means for indicating said video image data to be played back; [and]
  - a control unit controlling said first storage unit so as to store said received broadcast video image, and for searching and reading said indicated video image data which have been stored in said first storage unit, and storing the indicated video image data in said second storage unit according to said indication of said indicating means[.]; and  
a storage table to store a write time and a write address of the broadcast video image data in the first storage unit, according to the control unit,
- wherein said control unit stores [a] the write address and [a] the write time of said first storage unit into [a] said storage table whenever a predetermined amount of said received broadcast video image data is stored in said first storage unit, searches a write address of said indicated video image data from said storage table according to an indicated time of said indicating means, and read said indicated video image data according to said searched write address.

12. (THREE TIMES AMENDED) A broadcast video image recording apparatus to record broadcast video image data comprising:

a first random-access storage unit storing received broadcast video image data according to a FIFO sequence;

a second storage unit storing an indicated video image data in said stored received broadcast image data of said first random-access storage unit; [and]

a control unit controlling said first storage unit so as to store said received broadcast video image, searching and reading said indicated video image data which has been stored in said first random-access storage unit, and storing the indicated video image data in said second storage unit at a time indicated for recording[.]; and

a storage table to store a write time and a write address of the broadcast video image data in the first random-access storage unit, according to the control unit,

wherein said control unit stores a write address and a write time of said first random-access storage unit into [a] the storage table whenever a predetermined amount of said received broadcast video image data is stored in said first random-access storage unit, [search] searches a write address of said indicated video image data from said storage table according to [an] said indicated time, and [read] reads said indicated video image data according to said searched write address.